

Summary Report of Occurrences Reviewed From March 23 – 27, 2009

Summary: 27 occurrences at 15 sites reviewed during this period.

Significant Occurrences (2)

Injury – 1 occurrence at 1 site

- **NA – Los Alamos National Laboratory (Significance Category 2).** On March 20, a worker at TA-16-300 received a DC electrical shock while working on a training unit that contained both low-voltage (two 12-V batteries) and high-voltage (seven 500-V batteries in series) circuits. The worker was harnessing wires with zip ties on the low-voltage side of the unit, which was not considered energized work, when he accidentally contacted an output on the high-voltage (3,500 VDC) battery string, making a circuit to the grounded unit. The DC current entered through his left hand and exited through his abdomen, resulting in second degree burns to the worker's left index finger and thumb and a small exit wound on his abdomen. The total area affected by the burn was less than 5 percent of the worker's body. The worker was initially taken by a co-worker to Occupational Medicine and then transported by ambulance to Los Alamos Medical Center for further evaluation and then released. Work restrictions, if any, are being evaluated by LANL Occupational Medicine.

Near Miss – 1 occurrence at 1 site

- **EM – East Tennessee Technology Park (Significance Category 1).** On March 19, a high-voltage electrician and two low-voltage electricians were performing work in the K-1210 electrical vault to strip out electrical buss bars in cabinets that were no longer to be used. The high-voltage electrician opened the wrong cabinet and prepared to unbolt the links on the power side of an energized 13.8-kV circuit interrupter. As the electrician placed his wrench near a bolt to remove the links, he heard a buzz and felt tingling. He immediately released the wrench, which arced as it contacted the energized buss bar causing an electrical short. Power was lost to buildings fed by the feeder, which had shorted out. The electrician was shaken up but not injured. He was wearing the correct PPE for the job and had a “glow” stick for checking the presence of electrical energy, but did not use it. All power was restored to the buildings and all work on high-voltage equipment was stopped. An investigation is in progress.

Other Occurrences (25). See Table (Note: The Table includes the occurrences listed above).

Occurrence Category	Number of Occurrences				Number of Sites
	E&E	NNSA	SC	DOE Total	
Injury - Industrial Hygiene/Occupational Safety	1	4	0	5	3
Near Miss	1	1	0	2	2
Authorization Basis	1	1	0	2	2
Radiological Concerns	0	0	1	1	1
Environmental	0	1	0	1	1
Fire Safety	1	0	0	1	1
Shipping/Quality Assurance	0	1	0	1	1
Criticality Concerns	0	1	0	1	1
Industrial Operations	0	1	0	1	1
Conduct of Operations	1	3	0	4	5

Occurrence Category	Number of Occurrences				Number of Sites
	E&E	NNSA	SC	DOE Total	
Electrical Safety	1	0	1	2	2
Vehicle Accident	0	1	0	1	1
Equipment Failures	1	1	1	3	3
Safeguards and Security	1	0	0	1	1
Suspect & Counterfeit Parts	0	1	0	1	1
Other	0	0	0	0	0
Total	8	16	3	27	

Secretarial Office Summary

National Nuclear Security Administration	16 occurrences	(6 sites)
Office of Environmental Management	5 occurrences	(4 sites)
Office of Fossil Energy	1 occurrence	(1 site)
Office of Nuclear Energy	2 occurrences	(1 site)
Office of Science	3 occurrences	(3 sites)